

*All communications respecting this case should identify it by number and names of parties.*



Paper No. 11

**U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

Address: BOX INTERFERENCE  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**MAILED**

**SEP 16 1988**

**BOARD OF PATENT APPEALS  
& INTERFERENCES**

Applicant: Chu  
Serial No.: 032,041  
Filed: March 26, 1987  
For: SUPERCONDUCTIVITY IN  
SQUARE-PLANAR COMPOUND  
SYSTEMS  
Accorded Benefit: None

The case referred to above has been forwarded to the Board of Patent Appeals and Interferences because it is adjudged to interfere with other cases hereafter specified. Attention is directed to the fact that this interference is declared pursuant to 37 CFR 1.601 et seq., effective February 11, 1985 (49 F.R. 48416, 1050 O.G. 385). The interference is designated as No. 101,981.

By direction of the Commissioner of Patents and Trademarks and as required by 35 USC 135(c), notice is hereby given the parties of the requirement of the law for filing in the Patent and Trademark Office a copy of any agreement "in connection with or in contemplation of the termination of the interference."

Serial No. 032,041

-1-

Junior Party

Applicants: Syed B. Qadri, Louis E. Toth, Michael S. Osofsky,  
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Serial No.: 158,483 filed February 22, 1988

For : SUBSTANTIALLY SINGLE PHASE SUPERCONDUCTING OXIDE  
CERAMICS HAVING A TC ABOVE 85 K AND A METHOD OF  
MAKING THE CERAMIC

Assignee : None

Accorded Benefit of : None

Attorney of Record : A. David Spevack and Thomas E. McDonnell

Associate of Record : None

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Junior Party

Applicant : Ching-Wu Chu

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Serial No.: 032,041 filed March 26, 1987

For : SUPERCONDUCTIVITY IN SQUARE-PLANAR COMPOUND SYSTEMS

Assignee : University of Houston, University Park of Texas

Accorded Benefit of : None

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Junior Party

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Serial No.: 024,653 filed March 11, 1987

For ° : ELECTRICALLY SUPERCONDUCTING COMPOSITIONS AND  
PROCESSES FOR THEIR PREPARATION

Assignee : International Business Machines Corporation a  
corp., of New York

Accorded Benefit of : None

Attorney of Record : Joseph G. Walsh, Peter R. Leal and  
Maurice H. Klitzman

Associate of Record : None

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Senior Party

Applicant : Bertram J. Batlogg, Robert J. Cava and  
Robert B. Van Dover

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Serial No.: 021,229 filed March 3, 1987

For : DEVICES AND SYSTEMS BASED ON NOVEL SUPERCONDUCTING  
MATERIAL

Assignee : Bell Telephone Laboratories Inc., a corp of NY  
American Telephone Telegraph Company, a corp  
of NY

Accorded Benefit of : None

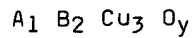
Attorney of Record : John P. McDonnell and George S. Indig

Associate of Record : George S. Indig

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Count 1

A crystalline essentially single phase composition having a perovskite like structure, exhibiting zero electrical resistance at a temperature of 70° K or higher, having the formula:  
the formula:



wherein A is Sc, Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er,

Tm, Yb, Lu, or mixtures thereof:

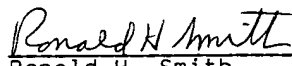
B is Ba, Sr, or mixtures thereof; and

y is a value that provides the composition with zero electrical resistance at a temperature of 70° K or above said composition having a purity of at least 90%.

The claims of the parties which correspond to this count are:

Qadri et al	:	claims 24 and 25
Chu	:	claims 16, 20-28, 47-49, 56-65 and 82-94
Beyers et al	:	claims 1-10
Batlogg et al	:	claims 1-16

RHS/ce

  
\_\_\_\_\_  
Ronald H. Smith  
Examiner-in-Chief  
(703) 557-4057

INTERFERENCE  
DIGEST

Interference No. 101,981 Paper No. 12  
Name, Ching-Wu Chu  
Serial No. 032,041 Patent No. \_\_\_\_\_  
Title, SUPERCONDUCTIVITY IN SQUARE-PLANAR COMPOUND SYSTEMS  
Filed, March 26, 1987  
Interference with Beyers, et al Bartlogg, et al Qadri, et al

DECISION ON MOTIONS

Examiner-in-Chief, \_\_\_\_\_ Dated, \_\_\_\_\_  
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final decision

~~DECISIONS ON PRIORITY~~

Board of Patent Appeals and Interferences, Paper # 142 Dated, 11/9/90  
Adverse to Chu  
Court, \_\_\_\_\_ Dated, \_\_\_\_\_

REMARKS

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